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Heat Index Calculator

[How do we calculate the heat index?](#)

Choose the appropriate calculator and enter the values. Then click "Calculate".

<h3>Using Dew Point Temperature</h3> <div style="border: 1px solid black; padding: 10px; margin-bottom: 10px;"> <p>Air Temperature <input type="text"/> °F <input type="text"/> °C</p> <p>Dew Point Temperature <input type="text"/> °F <input type="text"/> °C</p> <p><input type="button" value="Calculate"/> <input type="button" value="Reset"/></p> <p>Heat Index = <input type="text"/></p> </div>	<h3>Using Relative Humidity</h3> <div style="border: 1px solid black; padding: 10px; margin-bottom: 10px;"> <p>Air Temperature <input type="text"/> 106 °F <input type="text"/> 41.11 °C</p> <p>Relative Humidity <input type="text"/> 46 %</p> <p><input type="button" value="Calculate"/> <input type="button" value="Reset"/></p> <p>Heat Index = <input type="text"/> 132 F / 55 C</p> </div>
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* Please note: The Heat Index calculation may produce meaningless results for temperatures and dew points outside of the range depicted on the Heat Index Chart linked below.

[Heat Index Chart and Explanation](#)[WPC Heat Index Forecasts](#)[More Meteorological Conversions and Calculations](#)

NOAA/National Weather Service
 National Centers for Environmental Prediction
 Weather Prediction Center
 5830 University Research Court
 College Park, Maryland 20740
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Using Dew Point Temperature	Using Relative Humidity
Air Temperature <input type="text"/> °F <input type="text"/> °C Dew Point Temperature <input type="text"/> °F <input type="text"/> °C <input type="button" value="Calculate"/> <input type="button" value="Reset"/> Heat Index = <input type="text"/>	Air Temperature 108 °F 42.22 °C Relative Humidity 43 % <input type="button" value="Calculate"/> <input type="button" value="Reset"/> Heat Index = 134 F / 57 C

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Air Temperature <input type="text"/> °F <input type="text"/> °C Dew Point Temperature <input type="text"/> °F <input type="text"/> °C <input type="button" value="Calculate"/> <input type="button" value="Reset"/> Heat Index = <input type="text"/>	Air Temperature 105 °F 40.56 °C Relative Humidity 46 % <input type="button" value="Calculate"/> <input type="button" value="Reset"/> Heat Index = 129 F / 54 C

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How do we calculate the heat index?

Choose the appropriate calculator and enter the values. Then click "Calculate".

Using Dew Point Temperature

Using Relative Humidity

Air Temperature

 °F °C

Dew Point Temperature

 °F °CHeat Index =

Air Temperature

107 °F 41.67 °C

Relative Humidity

46 %

Heat Index = 135 F / 57 C

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